

7. LAMPIRAN

7. 1. Nutrisi Telur

Nutrisi	Keseluruhan telur	Albumen	Kuning telur
Kalori (kcal)	75.00	17.00	59.00
Protein (g)	6.25	3.52	2.78
Total lipid (g)	5.01	0	5.12
Total karbohidrat (g)	0.6	03	0.3
Asam lemak (g)	4.33	0	4.33
Lemak terlarut (g)	1.55	0	1.55
Monounsaturated fat (g)	1.91	0	1.91
Polyunsaturated lemak (g)	0.68	0	0.68
Cholesterol (mg)	231.00	0	213.00
Thiamin (mg)	0.031	0.002	0.028
Riboflavin (mg)	0.254	0.151	0.103
Niacin(mg)	0.036	0.031	0.005
Vitamin B6 (mg)	0.070	0.001	0.0069
Folate (mcg)	23.5	1.0	22.5
Vitamin B12 (mcg)	0.50	0.07	0.43
Vitamin A (IU)	317.5	0	317
Vitamin E (mg)	0.070	0	0.70
Vitamin D (mcg)	24.5	0	24.5
Choline (mg)	215.1	0.42	214.6
Biotin (mcg)	9.98	2.34	7.58
Calcium (mg)	25	2	23
Iron (mg)	0.72	0.1	0.59
Magesium (mg)	5	4	1
Iodine (mg)	0.024	0.001	0.022
Zinc (mg)	0.55	0	0.52
Sodium (mg)	63	55	7
Manganese (mg)	0.012	0.001	0.012

7.2. Uji Mutu Sampel Telur

Sampel	Kulit telur		Kantung telur		Putih telur		Kuning telur	
	Tebal	Berat	Tinggi	Diameter	Tinggi	Lebar	Tinggi	Lebar
1	0.42	7.5	0.34	2.07	0.6	7.415	1.56	4.69
2	0.6	7.8	0.32	2.08	0.623	7.32	1.62	4.72
3	0.58	7.73	0.32	2.08	0.63	7.42	1.6	4.68
Rerata	0.53	7.76	0.26	2.076	0.617	7.385	1.593	4.696



7.1.1. Konsentrasi KIO_3 Telur Asin Pada Perlakuan Larutan Garam 26%

Masa simpan	Berat Telur		Putih Telur		Kuning Telur		
	(g)	Berat (g)	$\Sigma \text{Na}_2\text{SO}_3$ (ml)	KIO_3 (ppm)	Berat (g)	$\Sigma \text{Na}_2\text{SO}_3$ (ml)	KIO_3 (ppm)
3 hari	65.39	25		0	19.21		0
	70.13	25		0	18.03		0
	63.34	25		0	18.25		0
6 hari							
	63.27	25	71	17.80	20.06	87.8	16.92
	59.78	25	78.3	15.96	18.28	87.6	18.65
	62.25	25	33.1	27.29	17.93	99.2	14.96
9 hari							
	71.04	25	120	5.51	18.71	68.8	24.52
	71.75	25	109	8.27	20.12	70.3	22.33
	71.32	25	103	9.65	20.02	63.4	24.60

7.2. Konsentrasi KIO_3 Telur Asin Pada Perlakuan Campuran Batu Bata : Garam : Abu gosok (1:1:1)

Masa simpan	Berat Telur (g)	Putih Telur			Kuning Telur		
		Berat (g)	$\Sigma \text{Na}_2\text{SO}_3$ (ml)	KIO_3 (ppm)	Berat (g)	$\Sigma \text{Na}_2\text{SO}_3$ (ml)	KIO_3 (ppm)
3 hari	60.70	25	0	0	20.8		0
	70.75	25	0	0	18.19		0
	63.29	25	0	0	19.25		0
6 hari	65.21	25	98.3	10.95	18.85	139.8	0.72
	67.38	25	132.7	2.31	19.3	140	0.62
	65.74	25	131.9	2.51	19.3	139.9	0.66
9 hari	65.04	25	71.9	17.55	19.03	133.3	2.85
	70.34	25	85.5	14.16	19.12	132.1	3.22
	68.20	25	88.6	13.38	19.03	133.3	2.86

7.3. Konsentrasi KIO_3 Telur Asin Pada Perlakuan Larutan Kapur

Masa simpan	Berat Telur (g)	Putih Telur			Kuning Telur		
		Berat (g)	$\Sigma \text{Na}_2\text{SO}_3$ (ml)	KIO_3 (ppm)	Berat (g)	$\Sigma \text{Na}_2\text{SO}_3$ (ml)	KIO_3 (ppm)
3 hari	70.05	25	0	0	20.12		0
	68.92	25	0	0	18.21		0
	65.35	25	0	0	18.33		0
6 hari	62.43	25	128.9	3.28	18.43	140.2	0.60
	68.22	25	131.9	2.51	18.81	139.8	0.72
	71.40	25	129.9	3.01	19.28	140.1	0.59
9 hari	70.34	25	138	7.52	20.25	136.9	1.56
	71.62	25	108.2	8.45	20.36	138.6	1.03
	68.59	25	98.4	10.93	19.21	138.5	1.12

**Laporan Data Kandungan KIO 3 Setelah Perlakuan Perendaman dan Karakteristik
Telur Asin**

	perlak	hari	kio3_ru	kio3_pu	beratku	beratpu	mm_kg
1	1.00	1.00	.00	.00	19.21	25.00	.60
2	1.00	1.00	.00	.00	18.03	25.00	.56
3	1.00	1.00	.00	.00	18.25	25.00	.60
4	1.00	2.00	18.92	17.80	20.60	25.00	.40
5	1.00	2.00	18.65	15.96	18.28	25.00	.40
6	1.00	2.00	14.96	27.29	17.93	25.00	.40
7	1.00	3.00	24.52	5.51	18.71	25.00	.45
8	1.00	3.00	22.33	8.27	20.12	25.00	.38
9	1.00	3.00	24.60	9.65	20.02	25.00	.39
10	2.00	1.00	.00	.00	20.80	25.00	.47
11	2.00	1.00	.00	.00	18.19	25.00	.46
12	2.00	1.00	.00	.00	19.25	25.00	.44
13	2.00	2.00	.72	10.95	18.85	25.00	.50
14	2.00	2.00	.62	2.31	19.30	25.00	.40
15	2.00	2.00	.66	2.51	19.30	25.00	.43
16	2.00	3.00	2.85	17.55	19.03	25.00	.44
17	2.00	3.00	3.22	14.16	19.12	25.00	.43
18	2.00	3.00	2.86	13.38	19.03	25.00	.40
19	3.00	1.00	.00	.00	20.12	25.00	.46
20	3.00	1.00	.00	.00	18.20	25.00	.44
21	3.00	1.00	.00	.00	18.33	25.00	.60
22	3.00	2.00	.60	3.28	18.43	25.00	.39
23	3.00	2.00	.72	2.51	18.81	25.00	.42
24	3.00	2.00	.59	3.01	19.28	25.00	.42
25	3.00	3.00	1.56	7.52	20.25	25.00	.43
26	3.00	3.00	1.03	8.45	20.36	25.00	.48
27	3.00	3.00	1.12	10.93	19.21	25.00	.48
28	.	.	.	.	.	.	.
29	.	.	.	.	.	.	.
30	.	.	.	.	.	.	.
31	.	.	.	.	.	.	.
32	.	.	.	.	.	.	.
33	.	.	.	.	.	.	.
34	.	.	.	.	.	.	.
35	.	.	.	.	.	.	.
36	.	.	.	.	.	.	.
37	.	.	.	.	.	.	.
38	.	.	.	.	.	.	.

		Cases					
		Valid		Missing		Total	
		N	Percent	N	Percent	N	Percent
kio3_ku	perlakuan 1	9	100.0%	0	.0%	9	100.0%
	perlakuan 2	9	100.0%	0	.0%	9	100.0%
	perlakuan 3	9	100.0%	0	.0%	9	100.0%
kio3_pu	perlakuan 1	9	100.0%	0	.0%	9	100.0%
	perlakuan 2	9	100.0%	0	.0%	9	100.0%
	perlakuan 3	9	100.0%	0	.0%	9	100.0%

Descriptives

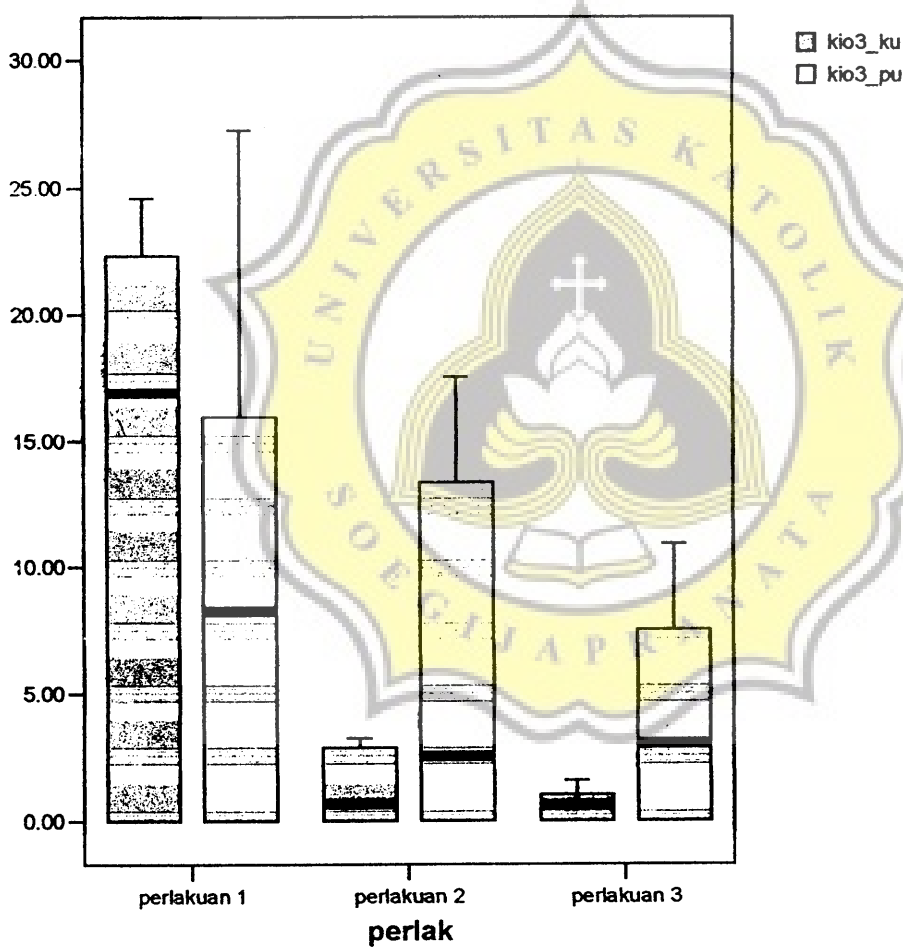
perlak		Statistic	Std. Error
kio3_ku	perlakuan 1	Mean	13.5533
		95% Confidence Interval for Mean	3.55452
		Lower Bound	5.3566
		Upper Bound	21.7501
		5% Trimmed Mean	13.6926
		Median	16.9200
		Variance	113.712
		Std. Deviation	10.66357
		Minimum	.00
		Maximum	24.60
		Range	24.60
		Interquartile Range	23.42
		Skewness	-.524
		Kurtosis	.717
			1.400
	perlakuan 2	Mean	1.2144
		95% Confidence Interval for Mean	.45239
		Lower Bound	.1712
		Upper Bound	2.2576
		5% Trimmed Mean	1.1705
		Median	.6600
		Variance	1.842
		Std. Deviation	1.35716
		Minimum	.00
		Maximum	3.22
		Range	3.22
		Interquartile Range	2.86
		Skewness	.709
		Kurtosis	.717
			1.400

Descriptives

perlak		Statistic	Std. Error
kio3_ku	perlakuan 3	Mean	.6244
		95% Confidence Interval for Mean	.18507
		Lower Bound	.1977
		Upper Bound	1.0512
		5% Trimmed Mean	.6072
		Median	.6000
		Variance	.308
		Std. Deviation	.55521
		Minimum	.00
		Maximum	1.56
		Range	1.56
		Interquartile Range	1.08
		Skewness	.261
		Kurtosis	-.880
kio3_pu	perlakuan 1	Mean	9.3867
		95% Confidence Interval for Mean	3.15171
		Lower Bound	2.1188
		Upper Bound	16.6545
		5% Trimmed Mean	8.9135
		Median	8.2700
		Variance	89.399
		Std. Deviation	9.45513
		Minimum	.00
		Maximum	27.29
		Range	27.29
		Interquartile Range	16.88
		Skewness	.775
		Kurtosis	-.110
	perlakuan 2	Mean	6.7620
		95% Confidence Interval for Mean	2.37901
		Lower Bound	1.2760
		Upper Bound	12.2480
		5% Trimmed Mean	6.5383
		Median	2.5100
		Variance	50.937
		Std. Deviation	7.13702
		Minimum	.00
		Maximum	17.55
		Range	17.55
		Interquartile Range	13.77
		Skewness	.411
		Kurtosis	-1.913

Descriptives

perlak				Statistic	Std. Error
kio3_pu	perlakuan 3	Mean		3.9667	1.35363
		95% Confidence Interval for Mean	Lower Bound	.8452	
			Upper Bound	7.0881	
		5% Trimmed Mean		3.8002	
		Median		3.0100	
		Variance		16.491	
		Std. Deviation		4.06089	
		Minimum		.00	
		Maximum		10.93	
		Range		10.93	
		Interquartile Range		7.99	
		Skewness		.675	.717
		Kurtosis		-.964	1.400



NPar Tests

Kruskal-Wallis Test

Ranks

perlak		N	Mean Rank
kio3_ku	perlakuan 1	9	11.50
	perlakuan 2	9	7.50
	Total	18	

Test Statistics^{a,b}

	kio3_ku
Chi-Square	2.621
df	1
Asymp. Sig.	.105

- a. Kruskal Wallis Test
- b. Grouping Variable: perlak

NPar Tests

Kruskal-Wallis Test

Ranks

perlak		N	Mean Rank
kio3_ku	perlakuan 1	9	18.00
	perlakuan 2	9	12.72
	perlakuan 3	9	11.28
	Total	27	

Test Statistics^{a,b}

	kio3_ku
Chi-Square	3.715
df	2
Asymp. Sig.	.156

- a. Kruskal Wallis Test
- b. Grouping Variable: perlak

NPar Tests

Kruskal-Wallis Test

Ranks

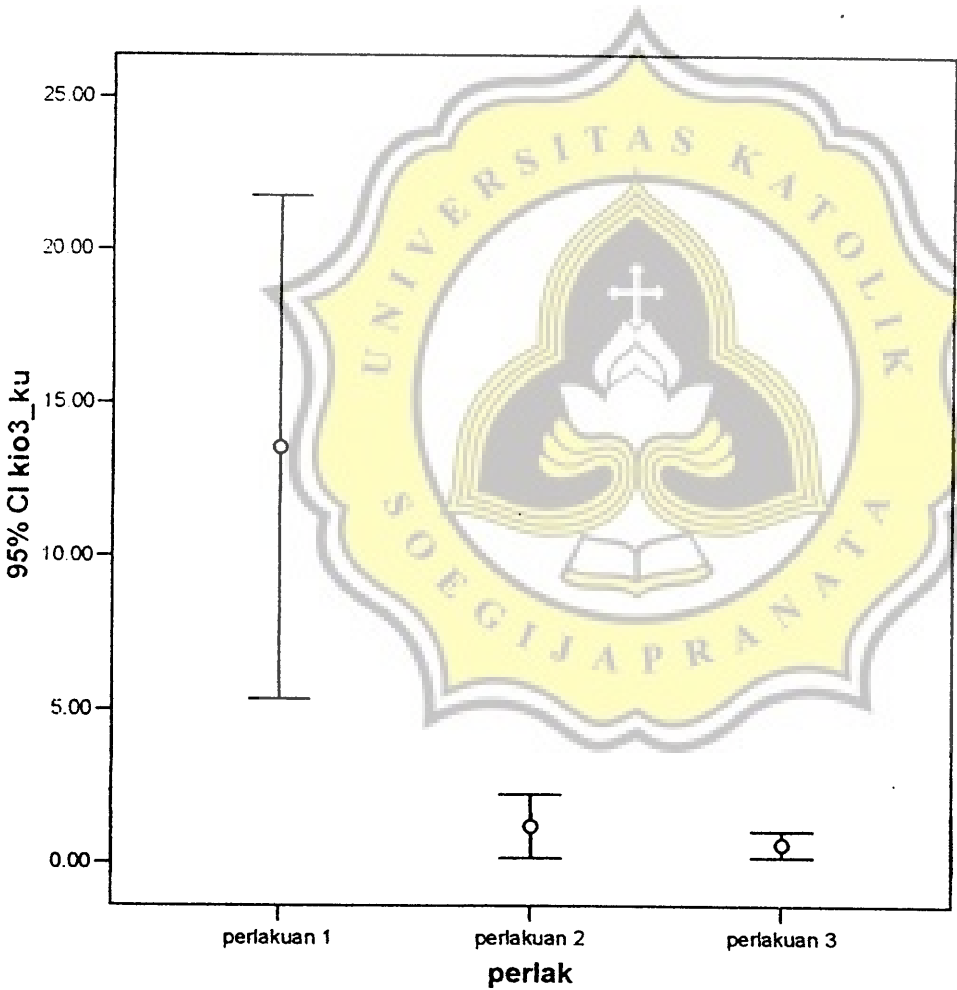
	perlak	N	Mean Rank
kio3_ku	perlakuan 2	9	10.22
	perlakuan 3	9	8.78
	Total	18	

Test Statistics^{a,b}

	kio3_ku
Chi-Square	.342
df	1
Asymp Sig.	.559

- a. Kruskal Wallis Test
- b. Grouping Variable: perlak

Graph



NPar Tests

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
kio3_ku	27	5.1307	8.51730	.00	24.60
perlak	27	2.0000	.83205	1.00	3.00

Two-Sample Kolmogorov-Smirnov Test

Frequencies

	perlak	N
kio3_ku	perlakuan 1	9
	perlakuan 2	9
	Total	18

Test Statistics^a

		kio3_ku
Most Extreme Differences	Absolute	.667
	Positive	.000
	Negative	-.667
Kolmogorov-Smirnov Z		1.414
Asymp. Sig. (2-tailed)		.037

a. Grouping Variable: perlak

NPar Tests

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
kio3_ku	27	5.1307	8.51730	.00	24.60
perlak	27	2.0000	.83205	1.00	3.00

Two-Sample Kolmogorov-Smirnov Test

Frequencies

	perlak	N
kio3_ku	perlakuan 1	9
	perlakuan 3	9
	Total	18

Test Statistics^a

		kio3_ku
Most Extreme Differences	Absolute	.667
	Positive	.000
	Negative	-.667
Kolmogorov-Smirnov Z		1.414
Asymp. Sig. (2-tailed)		.037

a. Grouping Variable: perlak

NPar Tests

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
kio3_ku	27	5.1307	8.51730	.00	24.60
perlak	27	2.0000	.83205	1.00	3.00

Two-Sample Kolmogorov-Smirnov Test

Frequencies

	perlak	N
kio3_ku	perlakuan 2	9
	perlakuan 3	9
	Total	18

Test Statistics^a

		kio3_ku
Most Extreme Differences	Absolute	.333
	Positive	.000
	Negative	-.333
Kolmogorov-Smirnov Z		.707
Asymp. Sig. (2-tailed)		.699

a. Grouping Variable: perlak

NPar Tests

Kruskal-Wallis Test

Ranks

	perlak	N	Mean Rank
kio3_pu	perlakuan 1	9	15.89
	perlakuan 2	9	14.17
	perlakuan 3	9	11.94
	Total	27	

Test Statistics^{a,b}

	kio3_pu
Chi-Square	1.160
df	2
Asymp. Sig.	.560

- a. Kruskal Wallis Test
- b. Grouping Variable: perlak

NPar Tests

Kruskal-Wallis Test

Ranks

	perlak	N	Mean Rank
kio3_pu	perlakuan 1	9	10.06
	perlakuan 2	9	8.94
	Total	18	

Test Statistics^{a,b}

	kio3_pu
Chi-Square	.202
df	1
Asymp. Sig.	.653

- a. Kruskal Wallis Test
- b. Grouping Variable: perlak

NPar Tests

Kruskal-Wallis Test

Ranks

	perlak	N	Mean Rank
kio3_pu	perlakuan 2	9	10.22
	perlakuan 3	9	8.78
	Total	18	

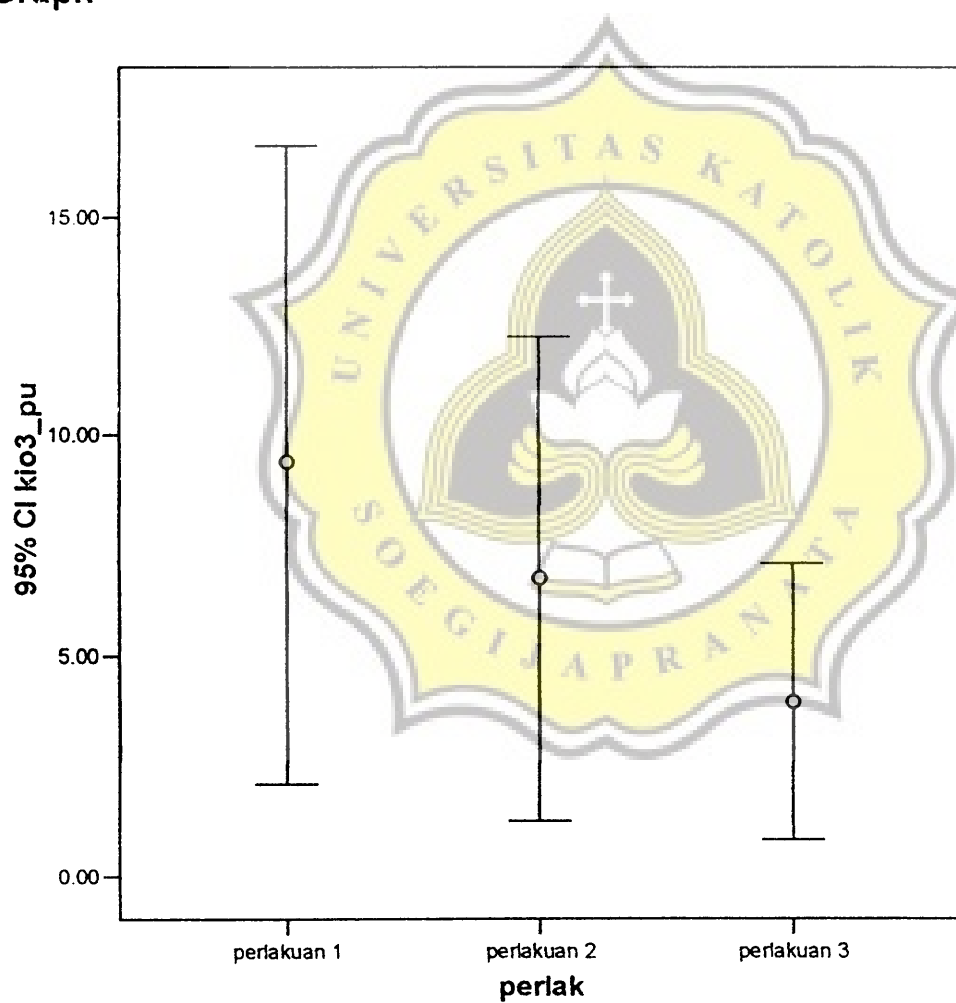
Test Statistics^{a,b}

	kio3_pu
Chi-Square	.342
df	1
Asymp. Sig.	.559

a. Kruskal Wallis Test

b. Grouping Variable: perlak

Graph



NPar Tests

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
kio3_pu	27	6.7051	7.30346	.00	27.29
perlak	27	2.0000	.83205	1.00	3.00

Two-Sample Kolmogorov-Smirnov Test

Frequencies

	perlak	N
kio3_pu	perlakuan 1	9
	perlakuan 3	9
	Total	18

Test Statistics^a

		kio3_pu
Most Extreme Differences	Absolute	.333
	Positive	.000
	Negative	-.333
Kolmogorov-Smirnov Z		.707
Asymp. Sig. (2-tailed)		.699

a. Grouping Variable: perlak

NPar Tests

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
kio3_pu	27	6.7051	7.30346	.00	27.29
perlak	27	2.0000	.83205	1.00	3.00

Two-Sample Kolmogorov-Smirnov Test

Frequencies

	perlak	N
kio3_pu	perlakuan 1	9
	perlakuan 2	9
	Total	18

Test Statistics^a

		kio3_pu
Most Extreme Differences	Absolute	.222
	Positive	.111
	Negative	-.222
Kolmogorov-Smirnov Z		.471
Asymp. Sig. (2-tailed)		.979

a. Grouping Variable: perlak

NPar Tests

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
kio3_pu	27	6.7051	7.30346	.00	27.29
perlak	27	2.0000	.83205	1.00	3.00

Two-Sample Kolmogorov-Smirnov Test

Frequencies

	perlak	N
kio3_pu	perlakuan 2	9
	perlakuan 3	9
	Total	18

Test Statistics^a

		kio3_pu
Most Extreme Differences	Absolute	.444
	Positive	.111
	Negative	-.444
Kolmogorov-Smirnov Z		.943
Asymp. Sig. (2-tailed)		.336

a. Grouping Variable: perlak

Laporan Data Kandungan KIO 3 Setelah Perlakuan Perebusan

	waktu	kio3k	kio3p
1	.00	23.81	7.82
2	.00	23.81	7.82
3	.00	23.81	7.82
4	1.00	.89	1.63
5	1.00	.65	2.51
6	1.00	1.26	2.31
7	2.00	.00	.30
8	2.00	.00	.63
9	2.00	.00	.95



Explore

Warnings

kio3k is constant when waktu = .00. It will be included in any boxplots produced but other output will be omitted.

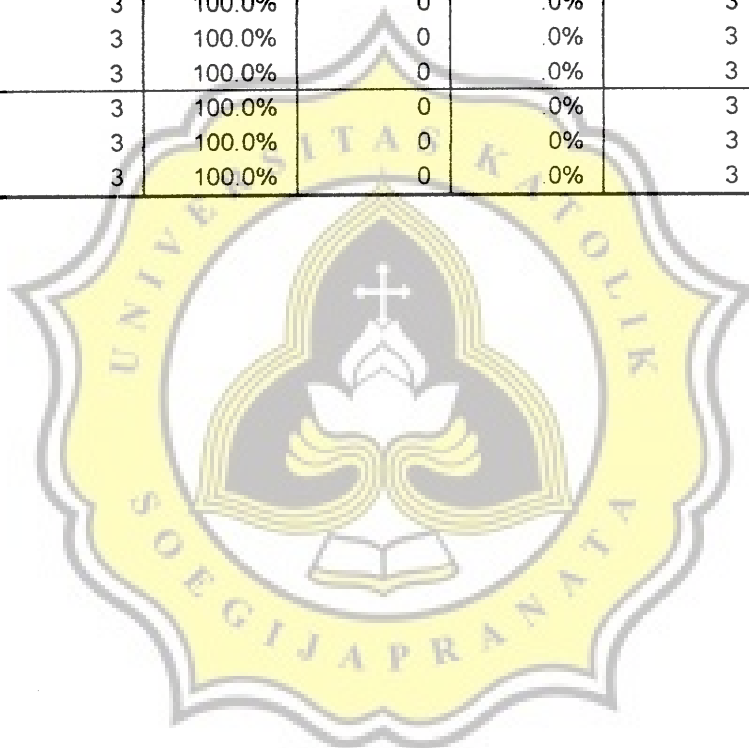
kio3p is constant when waktu = .00. It will be included in any boxplots produced but other output will be omitted.

kio3k is constant when waktu = 2.00. It will be included in any boxplots produced but other output will be omitted.

waktu

Case Processing Summary

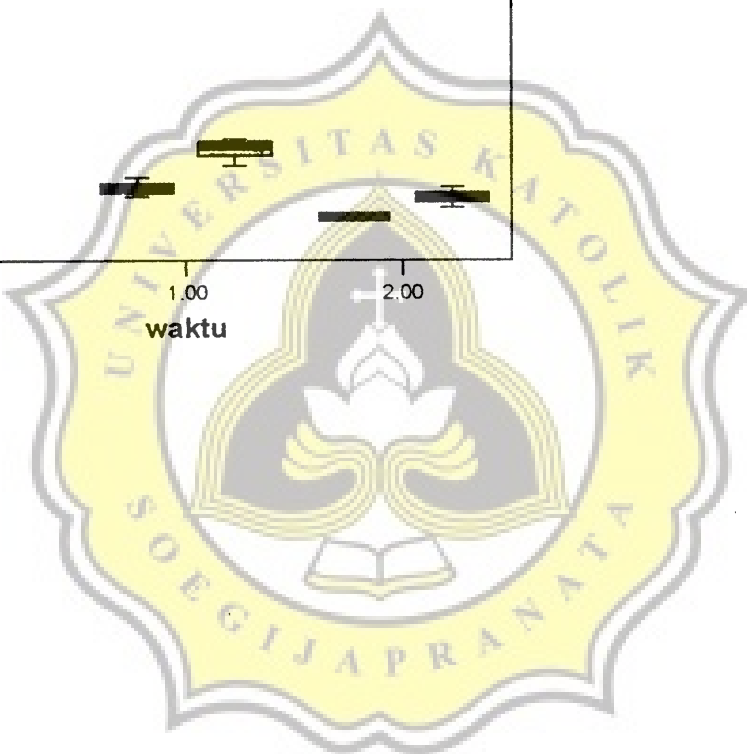
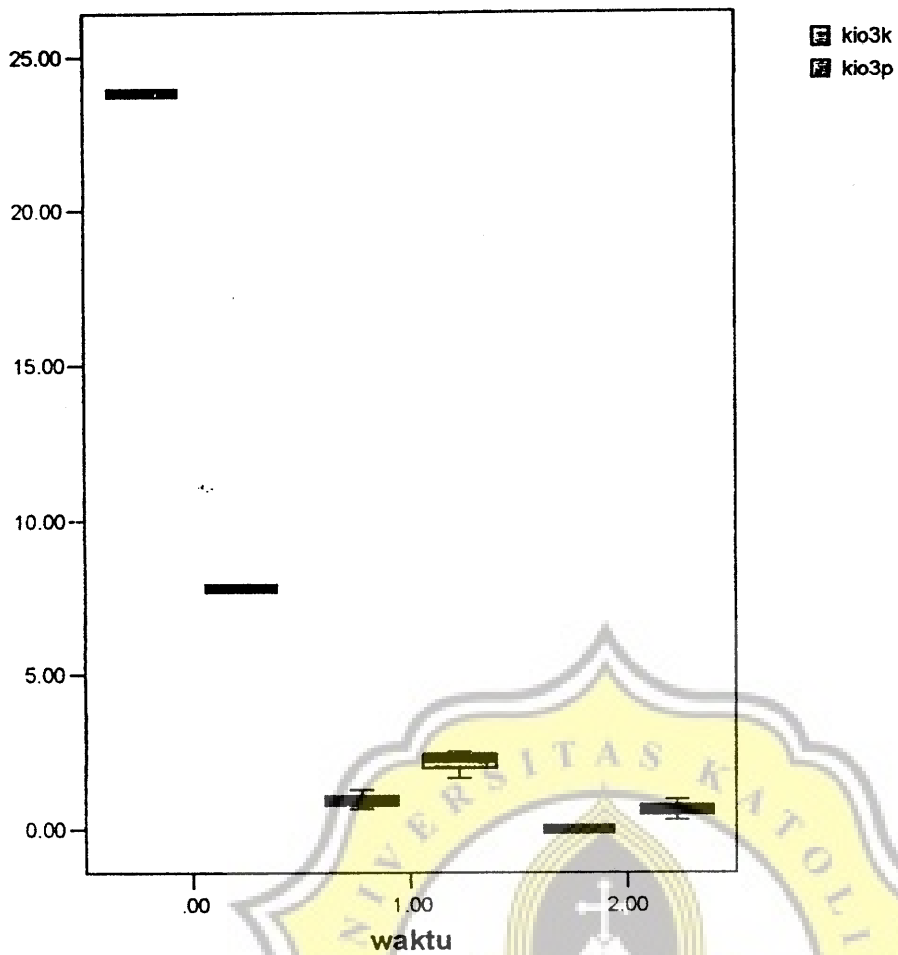
waktu	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
kio3k .00	3	100.0%	0	.0%	3	100.0%
1.00	3	100.0%	0	.0%	3	100.0%
2.00	3	100.0%	0	.0%	3	100.0%
kio3p .00	3	100.0%	0	.0%	3	100.0%
1.00	3	100.0%	0	.0%	3	100.0%
2.00	3	100.0%	0	.0%	3	100.0%



Descriptives^{a,b,c}

waktu			Statistic	Std. Error
kio3k	1.00	Mean	.9333	.17742
		95% Confidence Interval for Mean	.1700	
		Lower Bound		
		Upper Bound	1.6967	
		5% Trimmed Mean		
		Median	.8900	
		Variance	.094	
		Std. Deviation	.30730	
		Minimum	.65	
		Maximum	1.26	
		Range	.61	
		Interquartile Range		
		Skewness	.622	
		Kurtosis		1.225
kio3p	1.00	Mean	2.1500	.26633
		95% Confidence Interval for Mean	1.0041	
		Lower Bound		
		Upper Bound	3.2959	
		5% Trimmed Mean		
		Median	2.3100	
		Variance	.213	
		Std. Deviation	.46130	
		Minimum	1.63	
		Maximum	2.51	
		Range	.88	
		Interquartile Range		
		Skewness	-1.373	
		Kurtosis		1.225
	2.00	Mean	.6267	.18765
		95% Confidence Interval for Mean	-.1807	
		Lower Bound		
		Upper Bound	1.4340	
		5% Trimmed Mean		
		Median	.6300	
		Variance	.106	
		Std. Deviation	.32501	
		Minimum	.30	
		Maximum	.95	
		Range	.65	
		Interquartile Range		
		Skewness	-.046	
		Kurtosis		1.225

- a. kio3k is constant when waktu = .00. It has been omitted.
b. kio3p is constant when waktu = .00. It has been omitted.
c. kio3k is constant when waktu = 2.00. It has been omitted.



NPar Tests

Kruskal-Wallis Test

Ranks

	waktu	N	Mean Rank
kio3k	.00	3	8.00
	1.00	3	5.00
	2.00	3	2.00
	Total	9	

Test Statistics^{a,b}

	kio3k
Chi-Square	7.714
df	2
Asymp. Sig.	.021

a. Kruskal Wallis Test

b. Grouping Variable: waktu

NPar Tests

Kruskal-Wallis Test

Ranks

	waktu	N	Mean Rank
kio3k	.00	3	5.00
	1.00	3	2.00
	Total	6	

Test Statistics^{a,b}

	kio3k
Chi-Square	4.355
df	1
Asymp. Sig.	.037

a. Kruskal Wallis Test

b. Grouping Variable: waktu

NPar Tests

Kruskal-Wallis Test

Ranks

	waktu	N	Mean Rank
kio3k	1 00	3	5.00
	2 00	3	2.00
	Total	6	

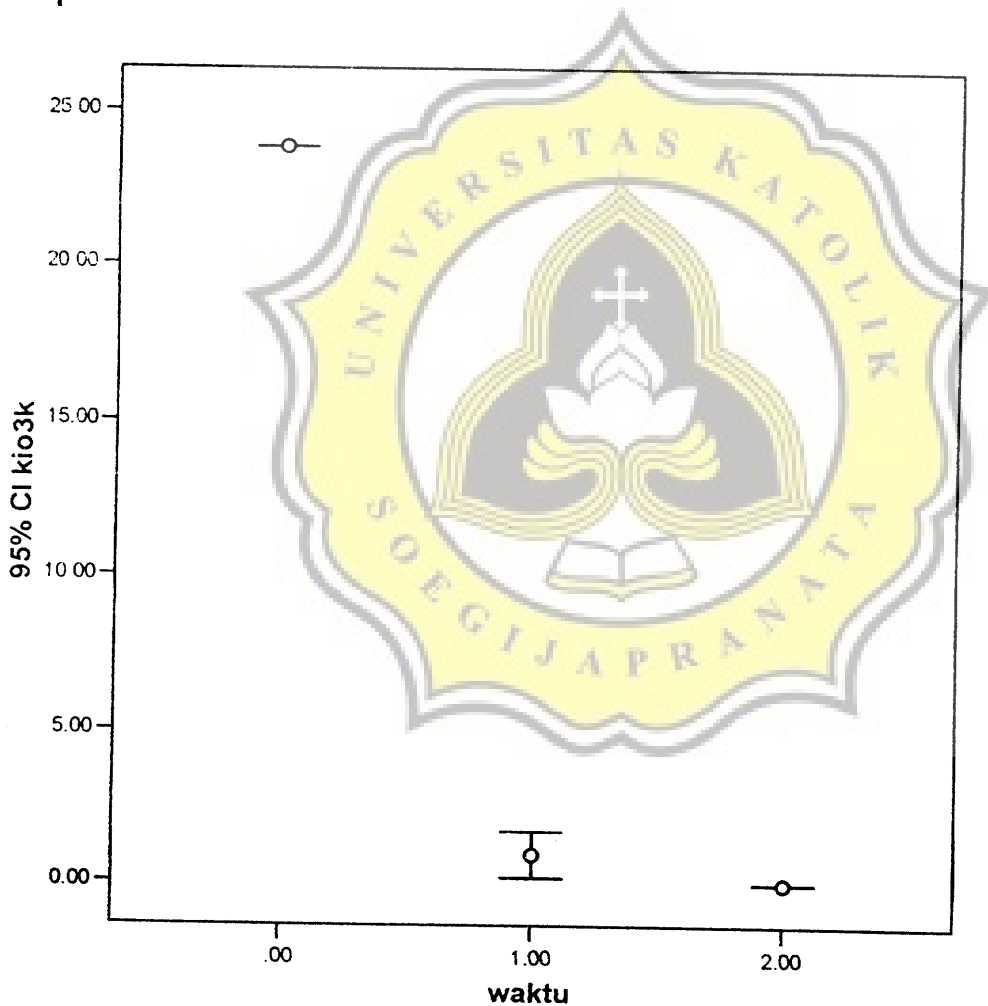
Test Statistics^{a,b}

	kio3k
Chi-Square	4.355
df	1
Asymp Sig.	.037

a. Kruskal Wallis Test

b. Grouping Variable: waktu

Graph



NPar Tests

Two-Sample Kolmogorov-Smirnov Test

Frequencies

	waktu	N
kio3k	.00	3
	2.00	3
	Total	6

Test Statistics^a

		kio3k
Most Extreme Differences	Absolute	1.000
	Positive	.000
	Negative	-1.000
Kolmogorov-Smirnov Z		1.225
Asymp. Sig. (2-tailed)		.100

a. Grouping Variable: waktu

NPar Tests

Two-Sample Kolmogorov-Smirnov Test

Frequencies

	waktu	N
kio3k	.00	3
	1.00	3
	Total	6

Test Statistics^a

		kio3k
Most Extreme Differences	Absolute	1.000
	Positive	.000
	Negative	-1.000
Kolmogorov-Smirnov Z		1.225
Asymp. Sig. (2-tailed)		.100

a. Grouping Variable: waktu

NPar Tests

Two-Sample Kolmogorov-Smirnov Test

Frequencies

	waktu	N
kio3k	1.00	3
	2.00	3
	Total	6

Test Statistics^a

		kio3k
Most Extreme Differences	Absolute	1.000
	Positive	.000
	Negative	-1.000
Kolmogorov-Smirnov Z		1.225
Asymp. Sig. (2-tailed)		.100

a. Grouping Variable: waktu



Par Tests

uskal-Wallis Test

Ranks

	waktu	N	Mean Rank
kio3p	.00	3	8.00
	1.00	3	5.00
	2.00	3	2.00
	Total	9	

Test Statistics^{a,b}

	kio3p
Chi-Square	7.448
df	2
Asymp. Sig.	.024

- a. Kruskal Wallis Test
b. Grouping Variable: waktu

ar Tests

uskal-Wallis Test

Ranks

	waktu	N	Mean Rank
io3p	.00	3	5.00
	1.00	3	2.00
	Total	6	

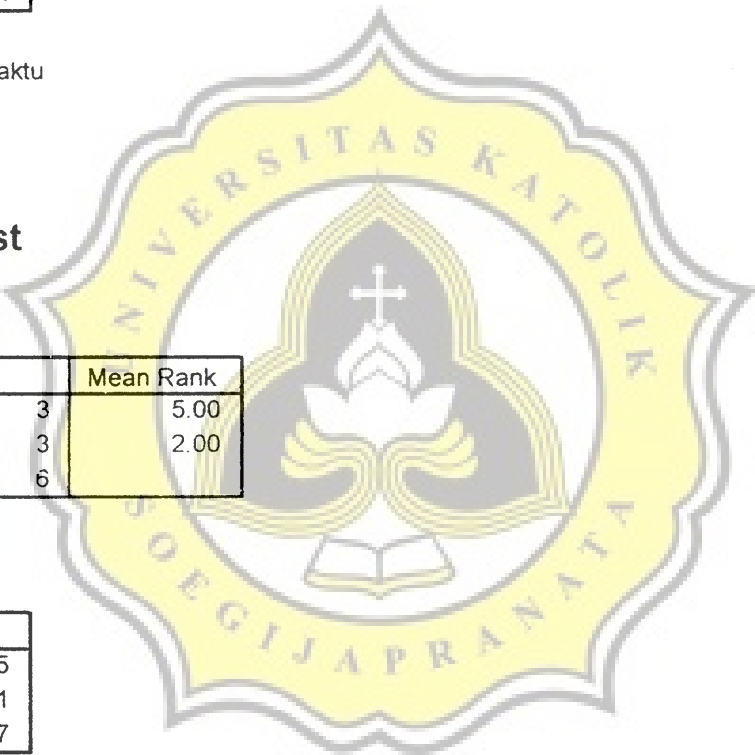
Test Statistics^{a,b}

	kio3p
Chi-Square	4.355
df	1
Asymp. Sig.	.037

- a. Kruskal Wallis Test
b. Grouping Variable: waktu

ar Tests

uskal-Wallis Test



Ranks

	waktu	N	Mean Rank
kio3p	1.00	3	5.00
	2.00	3	2.00
	Total	6	

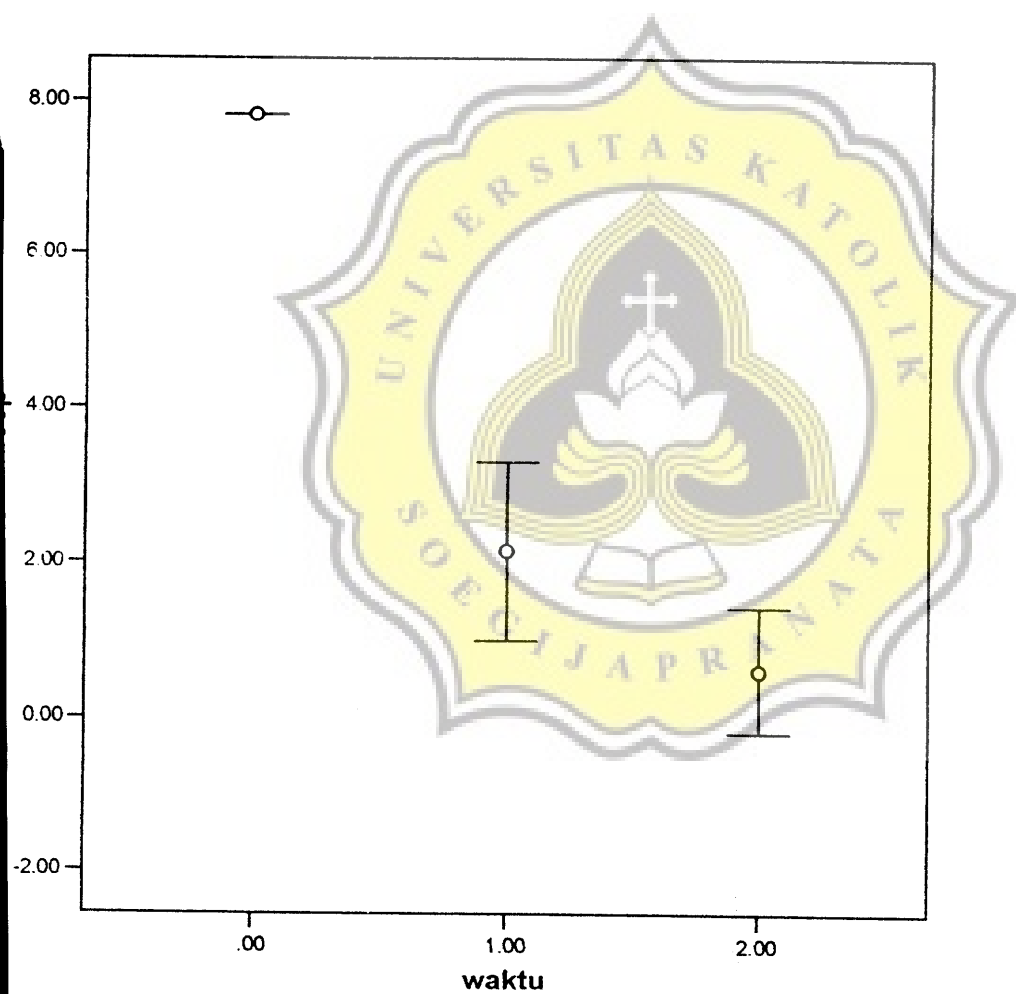
Test Statistics^{a,b}

	kio3p
Chi-Square	3.857
df	1
Asymp. Sig.	.050

a. Kruskal Wallis Test

b. Grouping Variable: waktu

Graph



ar Tests

o-Sample Kolmogorov-Smirnov Test

Frequencies

	waktu	N
kio3p	.00	3
	2.00	3
	Total	6

Test Statistics^a

		kio3p
Most Extreme Differences	Absolute	1.000
	Positive	.000
	Negative	-1.000
Kolmogorov-Smirnov Z		1.225
Asymp. Sig. (2-tailed)		.100

a. Grouping Variable: waktu

Par Tests

Two-Sample Kolmogorov-Smirnov Test

Frequencies

	waktu	N
kio3p	.00	3
	1.00	3
	Total	6

Test Statistics^a

		kio3p
Most Extreme Differences	Absolute	1.000
	Positive	.000
	Negative	-1.000
Kolmogorov-Smirnov Z		1.225
Asymp. Sig. (2-tailed)		.100

a. Grouping Variable: waktu

Par Tests

Two-Sample Kolmogorov-Smirnov Test

Frequencies

	waktu	N
kio3p	1.00	3
	2.00	3
	Total	6

Test Statistics^a

		kio3p
Most Extreme Differences	Absolute	1.000
	Positive	.000
	Negative	-1.000
Kolmogorov-Smirnov Z		1.225
Asymp. Sig. (2-tailed)		.100

a. Grouping Variable: waktu

